## **EAST Search History**

| Ref#       | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------------|------|---|---|---------------------|---------|---------------------|
| S1         | 1    | "10578182"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>11:28 |
| S2         | 510  | electromagnet\$3 same<br>actuat\$3 same (safety or<br>brak\$3) same (inspect\$3<br>or test\$3 or maintenance) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>11:51 |
| S3         | 35   | S2 and (elevator or "187".<br>clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>11:53 |
| <b>S</b> 4 | 60   | semi same operation same<br>actuator same<br>electromagnetic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>12:38 |
| S5         | 213  | (semi or half) same<br>(operation or position)<br>same actuator same<br>elevator                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>12:43 |
| S6         | 96   | S5 and (inspection or inspecting or maintaining or testing)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>12:45 |
| S7         | 1714 | 187/314,391,393.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>12:51 |
| S8         | 638  | S7 and (inspection or inspecting or maintenance or maintaining or test\$3)                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME                | ON      | 2009/03/01<br>12:51 |

| S9  | 11    | S8 and (electromagnetic same actuator same (safety or brak\$3))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>12:52 |
|-----|-------|--|---|------|----|---------------------|
| S10 | 24185 | ((inspect\$3 or<br>maintenance or maintain<br>\$3 or repair\$3 or test\$3)<br>same (elevator or<br>actuator)).ab,ti. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>12:59 |
| S11 | 775   | S10 and ("187".clas. or<br>"345".clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>12:59 |
| S12 | 0     | ("2006/0180406").URPN.   | USPAT   | SAME | ON | 2009/03/01<br>13:03 |
| S13 | 2     | halfway same position<br>same actuator same<br>elevator  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:12 |
| S14 | 130   | half\$3 same position same<br>actuator same elevator   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:12 |
| S15 | 9178  | (halfway or semi or<br>middle) same<br>(displacement or position)<br>same normal same actuat<br>\$3                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:22 |
| S16 | 331   | S15 and (elevator or "187".<br>clas. or "345".clas.)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:23 |
| S17 | 302   | S15 and (elevator or "187".<br>clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:24 |

| S18 | 29645 | displac\$3 same normal<br>same (actuat\$3 or semi or<br>middle or halfway or half)     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:26 |
|-----|-------|--|---|------|----|---------------------|
| S19 | 865   | S18 and (elevator or "187".<br>clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:26 |
| S20 | 10937 | displac\$3 same normal<br>same (semi or middle or<br>halfway or half)                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:27 |
| S21 | 219   | S20 and (elevator or "187".<br>clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:27 |
| S22 | 302   | S20 and ("318".clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:31 |
| S23 | 104   | displac\$3 same normal<br>same (semi or middle or<br>halfway or half) same<br>elevator | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:31 |
| S24 | 11    | S23 and ("318".clas.)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>13:31 |
| S25 | 20    | ((TOSHIE) near2<br>(TAKEUCHI)).INV.  | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/01<br>14:14 |
| S26 | 86    | ((TOSHIE) near2<br>(TAKEUCHI)).INV.  | EPO; JPO;<br>DERWENT  | SAME | ON | 2009/03/01<br>14:20 |
| S27 | 2     | ((KENJI) near2<br>(SHIMOHATA)).INV.  | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/01<br>14:41 |
| S28 | 58    | ((KENJI) near2<br>(SHIMOHATA)).INV.  | EPO; JPO;<br>DERWENT  | SAME | ON | 2009/03/01<br>14:41 |
| S29 | 15    | ((HIROSHI) near2<br>(KIGAWA)).INV.   | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/01<br>14:44 |

| S30         | 34      | ((HIROSHI) near2  | EPO; JPO;   | SAME | ON  | 2009/03/01          |
|-------------|---------|---|---|------|-----|---------------------|
| S31         | 16      | ((KIGAWA)).INV.<br>((TATSUO) near2  | DERWENT<br>US-PGPUB;  | SAME | ON  | 14:47<br>2009/03/01 |
| 001         | 10      | (MATSUOKA)).INV.  | USPAT; USOCR  | OAME | 011 | 14:52               |
| S32         | 113     | ((TATSUO) near2<br>(MATSUOKA)).INV.   | EPO; JPO;<br>DERWENT  | SAME | ON  | 2009/03/01<br>14:53 |
| S33         | 167     | 187/351.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>14:54 |
| S34         | 2       | electromagetic same<br>(actuat\$3 or driv\$3) same<br>elevator  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>14:58 |
| <b>S</b> 35 | 1011    | electromagnetic same<br>(actuat\$3 or driv\$3) same<br>elevator   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>14:59 |
| S36         | 408     | S35 and "187".clas.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>15:00 |
| <b>S</b> 37 | 1287461 | (semi or half or midway or<br>middle) same (operation<br>or position or<br>displacement or displacing<br>or moving or movement) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>15:01 |
| S38         | 289     | S35 and S37   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>15:01 |
| S39         | 134     | S38 and "187".clas.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2009/03/01<br>15:01 |

| S40 | 6    | (actuat\$3 same normal same electromagnetic same (semi or half or halfway or half-way or midway or mid-way or middle)).clm.                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>15:07 |
|-----|------|---|---|------|----|---------------------|
| S41 | 686  | (actuat\$3 same normal same electromagnetic same (semi or half or halfway or half-way or midway or midway or middle))                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>15:09 |
| S42 | 23   | S41 and (elevator or "187".<br>clas.)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/01<br>15:09 |
| S43 | 2    | "4679017".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>10:51 |
| S44 | 2    | "5241292".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>10:56 |
| S45 | 3142 | 251/129.15.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>14:51 |
| S46 | 26   | S45 and (neutral same magnet\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>14:51 |
| S47 | 18   | S45 and (actuat\$3 same<br>(semi or midway or<br>middle) same magnet\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>14:55 |
| S48 | 24   | ("4455543"   "4831973"  <br>"4883025"   "5022358"  <br>"5199392"   "5233950"  <br>"5611303"   "5664527"  <br>"5832955").PN. OR<br>("6076490").URPN. | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/05<br>15:00 |

| S49 | 1    | ("2004/0201943").URPN.  | USPAT   | SAME | ON | 2009/03/05<br>15:17 |
|-----|------|---|---|------|----|---------------------|
| S50 | 0    | ("2004/0011979").URPN.  | USPAT   | SAME | ON | 2009/03/05<br>15:18 |
| S51 | 351  | 361/139.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>15:28 |
| S52 | 51   | S51 and (electromagnet\$3 same actuat\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>15:29 |
| S53 | 105  | S51 and (electromagnet\$3 same (actuat\$3 or switch \$3 or latch\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>15:30 |
| S54 | 2    | "20020044403"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>15:36 |
| S55 | 3707 | (electromagnet\$3 same<br>(actuat\$3 or switch\$3 or<br>latch\$3)) same (elevator<br>or car) same (stop\$4 or<br>brak\$3 or safety) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>15:38 |
| S56 | 554  | S55 and "187".clas.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/05<br>15:42 |
| S57 | 2    | "20030107017"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/06<br>12:34 |

| S58 | 17  | ("1356458"   "3571865"  <br>"3647027"   "3762512"  <br>"3783976"   "3783983"  <br>"3995534"   "4007815"  <br>"4306339"   "4449615"  <br>"4715456"   "4823919"  <br>"5810119"   "5964320"  <br>"6039151").PN. OR<br>("6206145").URPN. | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/06<br>12:43 |
|-----|-----|--|---|------|----|---------------------|
| S59 | 9   | ("3902573"   "4449615").<br>PN. OR ("6039151").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/06<br>12:50 |
| S60 | 0   | ("2006/0201750").URPN.   | USPAT   | SAME | ON | 2009/03/06<br>12:50 |
| S61 | 292 | electromagnet\$3 same<br>actuat\$3 same elevator<br>same brak\$3   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/06<br>12:53 |
| S62 | 177 | S61 and "187".clas.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/06<br>12:53 |
| S63 | 17  | ("1356458"   "3571865"  <br>"3647027"   "3762512"  <br>"3783976"   "3783983"  <br>"3995534"   "4007815"  <br>"4306339"   "4449615"  <br>"4715456"   "4823919"  <br>"5810119"   "5964320"  <br>"6039151").PN. OR<br>("6206145").URPN. | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2009/03/06<br>12:54 |
| S64 | 140 | electromagnet\$3 same coil<br>same actuat\$3 same<br>elevator same brak\$3   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/06<br>13:04 |
| S65 | 97  | S64 and "187".clas.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/03/06<br>13:05 |

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